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the North American Flora. It is published as No. 18 of the "Professional Papers of the Engineer Department, U. S. Army," under the direction of Maj.-Gen. A. A. Humphreys, Chief of Engineers. The botanist of the expedition was Sereno Watson, who, with the assistance in special orders of Prof. Eaton and others, is the author of this valuable report. There are many points of interest even to local botanists. The only one we have space to refer to is the doubt indicated whether *Lepidium intermedium*, Gray, is distinct from *L. ruderale*, L. In Vol. I., § 51, of the Bulletin we pointed out the resemblance of the embryos of the two forms, and the distinction that the cleft in the radical of *L. intermedium* was longer than in *L. ruderale*, so far as our specimens afforded an opportunity of judging.

3. The relations of botany to the earthly ring and to the zodiac may be read in *Hearth and Home* for Dec. 23d ult., and in the observations of the agricultural astrologist quoted in the Jan. No. of the *American Naturalist*.

6. Financial.—Subscriptions for 1872 are now due.

7. Note on Catalogue.—There is some uncertainty respecting the specific distinctions in *Amarantaceæ* and *Polygonaceæ*.

8. *Marsilia quadrifolia*, L.—As an acute Swiss naturalist has already discovered this plant in Fresh Pond, Cambridge, it is well to put it on record that the plant has been introduced there by Mr. Guerinneau, our Gardener, and that it is becoming well established. The stock was originally from the American station, Lake Bantam, Litchfield, Connecticut, sent by Dr. Allen. ASA GRAY.

ATRIPLEX, Tourn.—*A. patula*, L. ; common ; N. Y. ; rare about Closter, very common in Orange Co., *Austin* : the more common Var. *hastata* ; everywhere about N. Y. : the nearest approach to Var. *littoralis*, I have found at Communipaw, *W. H. L.*—*A. arenaria*, Nutt. ; rather common on the shores adjacent to N. Y. ; Glen Cove, *Coles*.—The *A. rosea*, L., mentioned in the addenda to the Manual, is to be looked for in our streets.

SALICORNIA, Tourn.—*S. herbacea*, L. ; salt marshes, common, N. Y.—*S. virginica*, L. ; Coney Island ; salt marshes, L. I., *State Flora*.—*S. fruticosa*, L. : Var. *ambigua* ; "New York, *Muhl.* ; Long Branch, N. J., *Cooper*," *Torr. Cat.* ; Glen Cove and Rockaway beach, *State Flora* ; Coney Island, *Allen*.

SUÆDA, Forskal.—*S. maritima*, Dumortier ; common in salt marshes ; N. Y.

SALSOLA, L.—*S. kali*, L. ; common ; N. Y. ; Yonkers, *Pooley* ; Sing Sing, Tarrytown, *Hall*.

AMARANTACEÆ.

AMARANTUS, Tourn.—*A. paniculatus*, L. ; along the Kingsbridge road, near the upper end, or, at least, a form of *Amarantus* belonging to this section, with flowers strongly tinged with red, and numerous and rather slender spikes.—*A. retroflexus*, L. ; very common, with variations that need examination, one of which